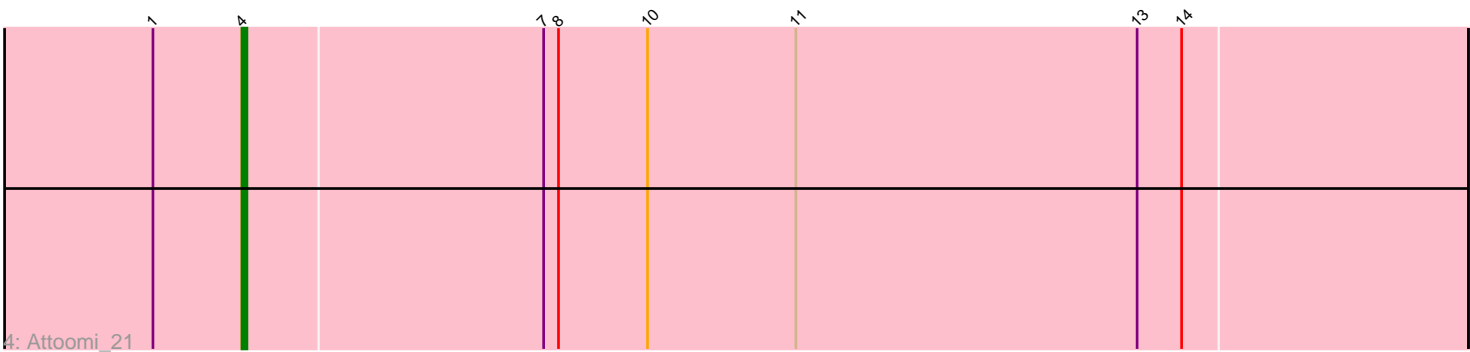
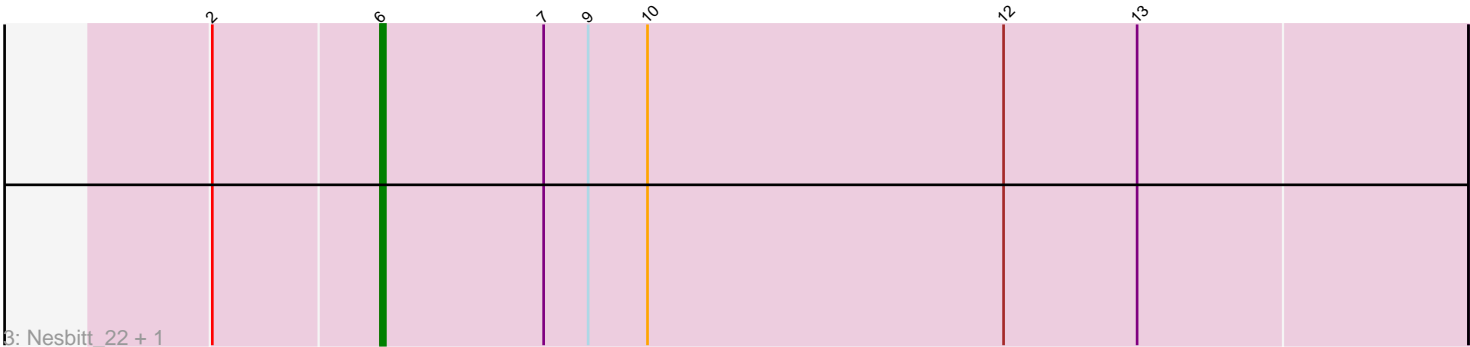
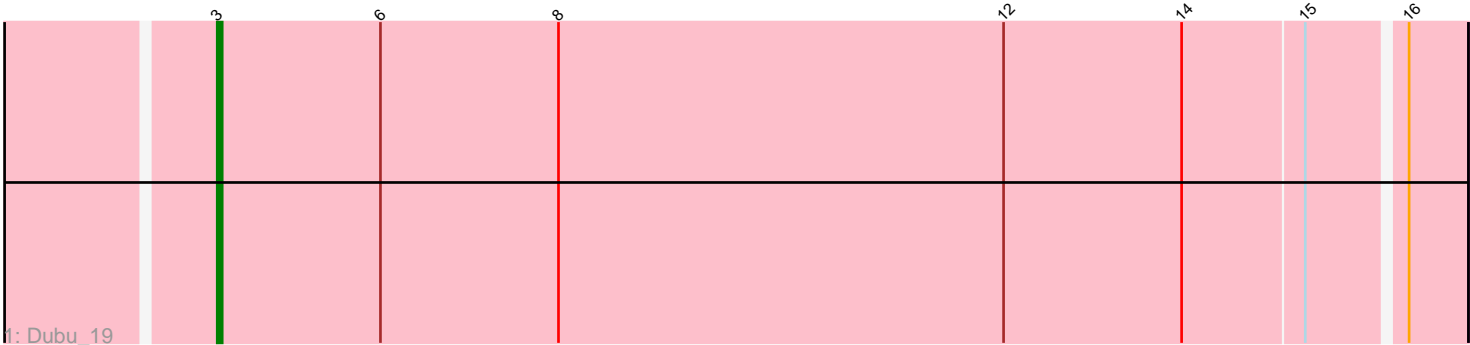


Pham 62890



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 62890 Report

This analysis was run 04/28/24 on database version 559.

Pham number 62890 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Dubu_19
- Track 2 : phiSASD1_41
- Track 3 : Nesbitt_22, AbbeyMikolon_22
- Track 4 : Attoomi_21

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbeyMikolon_22, Nesbitt_22,

Genes that have the "Most Annotated" start but do not call it:

- Dubu_19, phiSASD1_41,

Genes that do not have the "Most Annotated" start:

- Attoomi_21,

Summary by start number:

Start 3:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dubu_19 (BJ),

Start 4:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_21 (singleton),

Start 5:

- Found in 1 of 5 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: phiSASD1_41 (BJ),

Start 6:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_22 (BL), Nesbitt_22 (BL),

Summary by clusters:

There are 3 clusters represented in this pham: BL, singleton, BJ,

Info for manual annotations of cluster BJ:

- Start number 3 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:

- Start number 6 was manually annotated 2 times for cluster BL.

Gene Information:

Gene: AbbeyMikolon_22 Start: 18146, Stop: 18364, Start Num: 6

Candidate Starts for AbbeyMikolon_22:

(2, 18113), (Start: 6 @18146 has 2 MA's), (7, 18179), (9, 18188), (10, 18200), (12, 18272), (13, 18299),

Gene: Attoomi_21 Start: 17968, Stop: 18213, Start Num: 4

Candidate Starts for Attoomi_21:

(1, 17950), (Start: 4 @17968 has 1 MA's), (7, 18028), (8, 18031), (10, 18049), (11, 18079), (13, 18148), (14, 18157),

Gene: Dubu_19 Start: 17481, Stop: 17729, Start Num: 3

Candidate Starts for Dubu_19:

(Start: 3 @17481 has 1 MA's), (Start: 6 @17514 has 2 MA's), (8, 17550), (12, 17640), (14, 17676), (15, 17700), (16, 17718),

Gene: Nesbitt_22 Start: 18218, Stop: 18436, Start Num: 6

Candidate Starts for Nesbitt_22:

(2, 18185), (Start: 6 @18218 has 2 MA's), (7, 18251), (9, 18260), (10, 18272), (12, 18344), (13, 18371),

Gene: phiSASD1_41 Start: 17450, Stop: 17689, Start Num: 5

Candidate Starts for phiSASD1_41:

(5, 17450), (Start: 6 @17471 has 2 MA's), (8, 17507), (9, 17513), (12, 17597), (14, 17633), (17, 17684),